Appln. No. : 09/800,330   Confirmation No. 2967
Applicant   : Dames, *et al.*
Filed   : March 6, 2001
TC/A.U.   : 2178
Examiner   : Nguyen, Dang T.

Docket No.   : 6169-143
IBM Docket No. : BOC9-1999-0090

DECLARATION UNDER 37 C.F.R. § 1.131

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22203-1450

Sir:

I, Dwayne Dames, a citizen of the Bahamas, residing at 1160 Rialto Drive, Boynton

Beach, FL 33436, hereby declare and state as follows:

1.   I was employed by International Business Machines Corporation (IBM) of Boca

Raton, Florida at the time the above-identified application was conceived and I continue to be

employed by IBM. I make this declaration in support the above-identified application.

2.   IBM has invested substantial time and effort into the research, development, and

marketing of their products, and in an effort to protect its rights in all new inventions, IBM

requests that all employees prepare and submit IBM Confidential Invention Disclosure Forms

upon conception by the inventor(s).

3.   As a named co-inventor for this invention, I and my co-inventors submitted the

attached IBM Confidential Invention Disclosure BOC8-1999-0119.

4.   I make this Declaration to establish that I and my co-inventors David E. Reich

and Fang Wang conceived of the present invention at least as early as November 11, 1999, and

exercised due diligence from prior to November 11, 1999 to March 6, 2001, the filing date for

the above-identified patent application.

{WP191096;1}

BEST AVAILABLE COPY

5.   I further declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the above-identified patent application or any patent issuing thereon.

Dwayne Dames

Date: _8/17/04_

STATE OF FLORIDA   )
) ss:
COUNTY OF PALM BEACH   )

The foregoing instrument was sworn to and subscribed before me this _17_ day of _August_, 2004, by DWAYNE DAMES, who is personally known to me or who has produced
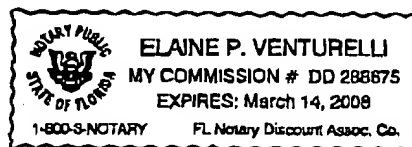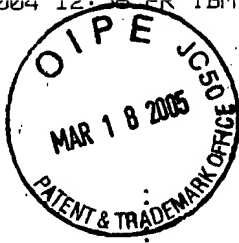
_____ (type of identification) as identification.

_____
NOTARY PUBLIC,
STATE OF FLORIDA

Elaine P. Venturelli
(Print, Type or Stamp Commissioned Name of Notary Public)

> ELAINE P. VENTURELLI
> MY COMMISSION # DD 288875
> EXPIRES: March 14, 2008
> 1-800-3-NOTARY   FL Notary Discount Assoc. Co.

{WP191096:1}

Appln. No.   :   09/800,330   Confirmation No. 2967
Applicant   :   Dames, *et al.*
Filed   :   March 6, 2001
TC/A.U.   :   2178
Examiner   :   Nguyen, Dang T.

Docket No.   :   6169-143
IBM Docket No. :   BOC9-1999-0090

DECLARATION UNDER 37 C.F.R. § 1.131

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22203-1450

Sir:

I, David E. Reich, a citizen of the United States of America, residing at 6684 Inland Court, Jupiter, FL 33458, hereby declare and state as follows:
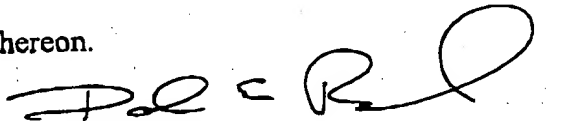
1.   I was employed by International Business Machines Corporation (IBM) of Boca Raton, Florida at the time the above-identified application was conceived and I continue to be employed by IBM. I make this declaration in support the above-identified application.

2.   IBM has invested substantial time and effort into the research, development, and marketing of their products, and in an effort to protect its rights in all new inventions, IBM requests that all employees prepare and submit IBM Confidential Invention Disclosure Forms upon conception by the inventor(s).

3.   As a named co-inventor for this invention, I and my co-inventors submitted the attached IBM Confidential Invention Disclosure BOC8-1999-0119.

4.   I make this Declaration to establish that I and my co-inventors Dwayne Dames and Fang Wang, conceived of the present invention at least as early as November 11, 1999, and exercised due diligence from prior to November 11, 1999 to March 6, 2001, the filing date for the above-identified patent application.

5.   I further declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the above-identified patent application or any patent issuing thereon.

_____
David E. Reich

Date: _5-16-2004_
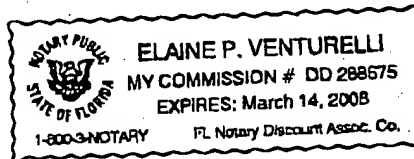
STATE OF FLORIDA   )
) ss:
COUNTY OF PALM BEACH   )

The foregoing instrument was sworn to and subscribed before me this _16_ day of _August_, 2004, by DAVID E. REICH, who is personally known to me or who has produced

_____ (type of identification) as identification.

_____
NOTARY PUBLIC,
STATE OF FLORIDA

_____
(Print, Type or Stamp Commissioned Name of Notary Public)

ELAINE P. VENTURELLI
MY COMMISSION # DD 288675
EXPIRES: March 14, 2008
1-800-3-NOTARY   FL Notary Discount Assoc. Co.

Disclosure BOC8-1999-0119

Created By: David Reich   Created On: 11/11/99 04:48:27 PM
Last Modified By: David Reich   Last Modified On: 11/29/99 02:43:44 PM

*** IBM Confidential ***

Required fields are marked with the asterisk (*) and must be filled in to complete the form .

Summary

Status	Under Evaluation
Processing Location	BOC
Functional Area	Speech Development & Customization (O. Osborne)
Attorney/Patent Professional	Richard Tomlin/Boca Raton/IBM
IDT Team	Harvey Ruback/West Palm Beach/IBM
Submitted Date	11/22/99 03:48:03 PM
Owning Division	SWG
	Add/Change
PVT Score	To calculate a PVT score, use the 'Calculate PVT' button.
Lab	
Technology Code	
Incentive Program	

Inventors with Lotus Notes IDs

Inventors: David Reich/West Palm Beach/IBM, Dwayne Dames/West Palm Beach/IBM, Kevin Tan/West Palm Beach/IBM, Fang Wang/West Palm Beach/IBM, Lenora Wright/West Palm Beach/IBM

Inventor Name > denotes primary contact	Inventor Serial	Div/Dept	Manager Serial	Manager Name
> Reich, David E.				
Dames, Dwayne				
Tan, Ji Whee (Kevin)				
Wang, Fang				
Wright, Lenora E.				

Inventors without Lotus Notes IDs

IDT Selection

IDT Team:	Attorney/Patent Professional:
Harvey Ruback/West Palm Beach/IBM	Richard Tomlin/Boca Raton/IBM

Response Due to IP&L : 12/29/99

Main Idea

*Title of disclosure (in English)
Method and Apparatus to parse generic HTML data for voice presentation and user interaction

*Idea of disclosure
1. Describe your invention, stating the problem solved (if appropriate), and indicating the advantages of using the invention.
The invention described by this disclosure provides a reusable and adaptable algorithm for extracting HTML data from arbitrary web pages for presentation in a different medium. Today, many projects are

looking at transcoding as a method of converting one markup to another. The problem with this is that transcoding is a simple tag substitution. This does not take the actual user interface into consideration. HTML is visually oriented data, and simply transcoding the tags into say VoiceXML for speech presentation does not effectively present the data in a speech medium. Even with some "smarts" in a transcoder to do some intelligent presentation tag generation for the target markup, there is no good way to change an HTML table, for example, into a speech interface. The user interaction would need to be tailored for the interface. A better presentation is to have the same data with a voice interface designed around it, so the interface is tailored for the medium, and for example, one would not try to transcode a table of data and then ask the developer, "how do I read a table?"

The problem in doing this is that web pages are all different, and data is not in any standard place in the HTML file. Transcoding keeps the data within tags, and requires the transcoder to transcode the context of the data to different user interfaces which is an inferior solution or ultimately forces the developer to migrate one user interface to another. This solution addresses the issue of parsing the pages from many varied sources to grab just the data, and then put well designed voice (or other) markup around it.

The advantages are:

1) Presentation markup geared directly toward the presentation medium rather than translated/transcoded tags.
2) As new HTML page layouts are learned, they are just added to the page templates described below.
3) The field extraction code is generic to pull specific data from their places based on table lookup rather than the forcing program logic to know where the fields are.

2. How does the invention solve the problem or achieve an advantage,(a description of "the invention", including figures inline as appropriate)?
The solution uses a table lookup mechanism that has contained within it, the structure of the web pages being referenced. For example, the Yahoo movie pages have the theater name at byte offset 57 for 35 bytes, and repeating fields for the movies playing at by 235 for 600 bytes (for example). So rather than parsing the page to "flip" one set of tags to another and keep the data in place an in a cobbled together user interface, there would be a table lookup for the page layout (like a Lotus NOTES template) and the data can be extracted and placed into Voice (or other) oriented markup specific to the application.

The advantage is that it is adaptable to any web page anywhere and if the format of pages change, it is a trivial matter to update the templates.

These templates can potentially be sold or licensed, and another large advantage (to ubiquitous access to web-oriented data) is the ability to use public sources of data without having to recreate or redesign backend data source interfaces.

3. If the same advantage or problem has been identified by others (inside/outside IBM), how have those others solved it and does your solution differ and why is it better?
The advantages are described above. Transcoding creates poor presentation because of the difference of the interface orientation of the different mediums (i.e. text/visual vs speech/audio)

4. If the invention is implemented in a product or prototype, include technical details, purpose, disclosure details to others and the date of that implementation.
The programming is underway for a prototype for this for internal demonstration only, and even for external (to IBM) demonstration, the details of the solution do not have to be divulged.

*Critical Questions (Questions 1 - 7 must be answered)

*Question 1

On what date was the invention workable? 11/22/99 Please format the date as MM/DD/YYYY
(Workable means i.e. when you know that your design will solve the problem)

*Question 2

Is there any planned or actual publication or disclosure of your invention to anyone outside IBM?

○ Yes
● No

If yes, Enter the name of each publication or patent and the date published below.
Publication/Patent:

Date Published or Issued:

Are you aware of any publications, products or patents that relate to this invention?

○ Yes
● No

If yes, Enter the name of each publication or patent and the date published below.
Publication/Patent:

Date Published or Issued:

*Question 3

Has the subject matter of the invention or a product incorporating the invention been sold, used internally in manufacturing, announced for sale, or included in a proposal?

● Yes
○ No

Is a sale, use in manufacturing, product announcement, or proposal planned?

○ Yes
● No

If Yes, identify the product if known and indicate the date or planned date of sale, announcements, or proposal and to whom the sale, announcement or proposal has been or will be made.

Product: VoiceXML (e-Voice) pilot program
Version/Release: N/A
Code Name: N/A
Date: N/A
To Whom: N/a

If more than one, use cut and paste and append as necessary in the field provided.

*Question 4

Was the subject matter of your invention or a product incorporating your invention used in public, e.g., outside IBM or in the presence of non-IBMers?

○ Yes
● No

If yes, give a date.   Please format the date as MM/DD/YYYY

*Question 5

Have you ever discussed your invention with others not employed at IBM?

○ Yes
● No

If yes, identify individuals and date discussed. Fill in the text area with the following information, the names of the individuals, the employer, date discussed, under CDA, and CDA #.

*Question 6

Was the invention, in any way, started or developed under a government contract or project?

○ Yes
● No
○ Not sure

If Yes, enter the contract number

*Question 7

Was the invention made in the course of any alliance, joint development or other contract activities?

○ Yes
● No
○ Not Sure

If Yes, enter the following :Name of Alliance, Contractor or Joint Developer

Contract ID number

Relationship contact name

Relationship contact E-mail

Relationship contact phone

Question 8

Have you submitted, or are you aware of, any related disclosure submission? ○ Yes ● No

If Yes, please provide the title and docket or disclosure number below

Question 9

What type of companies do you expect to compete with inventions of this type? *Check all that apply.*

☐ Manufacturers of enterprise servers
☐ Manufacturers of entry servers
☐ Manufacturers of workstations
☐ Manufacturers of PC's
☐ Non-computer manufacturers
☒ Developers of operating systems
☒ Developers of networking software
☒ Developers of application software
☒ Integrated solution providers
☒ Service providers
☐ Other (Please specify below)

Patent Value Tool (Optional - this may be used by the inventor and attorney to assist with the eval
Post Disclosure Text & Drawings

(Form Revised 12/17/97)

CONFIRMATION REPORT - MEMORY SEND

```
Time      :  FEB-17-05  13:52
Fax number:  5616596313
Name      :  AKERMAN,SENTERFITT & EIDSON
```

Job	:	923
Date	:	FEB-17 13:48
To	:	7110966615712734133
Doc. pages	:	09
Start time	:	FEB-17 13:48
End time	:	FEB-17 13:52
Pages sent	:	09
Job:923		*** SEND SUCCESSFUL ***

Akerman|Senterfitt
ATTORNEYS AT LAW

Boca Raton
Fort Lauderdale
Jacksonville
Miami
Orlando
Tallahassee
Tampa
West Palm Beach

222 Lakeview Avenue
4th Floor
West Palm Beach, Florida 33401-6147
Post Office Box 3188 *mail*
West Palm Beach, Florida 33402-3188
www.akerman.com
561 053 5000 *tel* , 561 659 6313 *fax*

FAX COVER SHEET

Date: February 17, 2005

From: Brian Buchheit

PLEASE DELIVER ___9___ PAGE(S) (including cover sheet) TO:

Name:	Examiner Joshua D. Campbell	**Fax Number:** 571-273-4133
Company:	USPTO	**Phone Number:**

Please call (561) 653-5000, ext. 3434 if you do not receive all the pages.

Comments/Special Instructions

Application No.	:	09/800,330	Confirmation No. :	2967
Applicant	:	Dames, *et al.*		
Filed	:	March 6, 2001		
TC/A.U.	:	2178		
Examiner	:	Campbell, Joshua D.		**URGENT**
Docket No.	:	6169-143		
IBM Docket No.	:	BOC9-1999-0090		

Pursuant to our telephone conversation, attached are the Declarations and Confidential Invention Disclosure that were filed with the previous response to office action of September 14, 2004. Please advise if you require any further information.

Client/Matter No: ___109666___   Equitrac ID: ___1647___

(WP220863;1)

FAX COVER SHEET

From: Brian Buchheit   Date: February 17, 2005

PLEASE DELIVER _9_ PAGE(S) (including cover sheet) TO:

Name: **Examiner Joshua D. Campbell**   **Fax Number:**   **571-273-4133**
Company: USPTO   Phone Number:

Please call (561) 653-5000, ext. 3434 if you do not receive all the pages.

Comments/Special Instructions

Application No.	:	09/800,330	Confirmation No. : 2967
Applicant	:	Dames, *et al.*	
Filed	:	March 6, 2001	
TC/A.U.	:	2178	
Examiner	:	Campbell, Joshua D.	
Docket No.	:	6169-143	
IBM Docket No.	:	BOC9-1999-0090	

URGENT

Pursuant to our telephone conversation, attached are the Declarations and Confidential Invention Disclosure that were filed with the previous response to office action of September 14, 2004. Please advise if you require any further information.

Client/Matter No: __109666_____   Equitrac ID: _1647____

{WP220863;1}

Application No. : 09/800,330   Confirmation No. : 2967

Applicant : Dames, et al.

Filed : March 6, 2001

TC/A.U. : 2178

Examiner : NGUYEN, DANG T

Docket No. : 6169-143

IBM Docket No. : BOC9-1999-0090

TRANSMITTAL LETTER

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find enclosed for filing:

1. Response to Office Action with attachments;
2. "Declaration Under 37 C.F.R. 1.131";
3. Confidential Information Disclosure BOC8-1999-0119, submitted in attached, envelope in confidence under seal, and
4. Please charge any deficiencies or credit any overpayment to Deposit Account No. 50-0951.

This Transmittal Letter is submitted in duplicate.

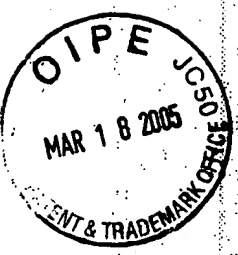Respectfully submitted,

Date: 14 Sep 2004

Gregory A. Nelson, Registration No. 30,577
Richard A. Hinson, Registration No. 47,652
Brian K. Buchheit, Registration No. 52,667
AKERMAN SENTERFITT
Customer No. 40987
Post Office Box 3188
West Palm Beach, FL 33402-3188
Telephone: (561) 653-5000

Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being transmitted via U.S.P.S. Express Mail to MAILSTOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

Date 14 Sep 2004
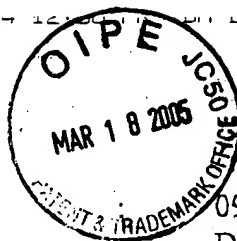
Brian K. Buchheit, Esquire

Reg. No. 52,667

(PTN0896-1)

EV291959532US

Appln. No.	:	09/800,330	Confirmation No. 2967
Applicant	:	Dames, *et al.*	
Filed	:	March 6, 2001	
TC/A.U.	:	2178	
Examiner	:	Nguyen, Dang T.	
Docket No.	:	6169-143	
IBM Docket No.	:	BOC9-1999-0090	

DECLARATION UNDER 37 C.F.R. § 1.131

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22203-1450

Sir:

I, Dwayne Dames, a citizen of the Bahamas, residing at 1160 Rialto Drive, Boynton Beach, FL 33436, hereby declare and state as follows:

1.   I was employed by International Business Machines Corporation (IBM) of Boca Raton, Florida at the time the above-identified application was conceived and I continue to be employed by IBM. I make this declaration in support the above-identified application.

2.   IBM has invested substantial time and effort into the research, development, and marketing of their products, and in an effort to protect its rights in all new inventions, IBM requests that all employees prepare and submit IBM Confidential Invention Disclosure Forms upon conception by the inventor(s).

3.   As a named co-inventor for this invention, I and my co-inventors submitted the attached IBM Confidential Invention Disclosure BOC8-1999-0119.

4.   I make this Declaration to establish that I and my co-inventors David E. Reich and Fang Wang conceived of the present invention at least as early as November 11, 1999, and exercised due diligence from prior to November 11, 1999 to March 6, 2001, the filing date for the above-identified patent application.

{WP191096;1}

5. I further declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the above-identified patent application or any patent issuing thereon.
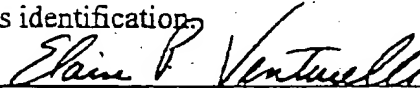
Dwayne Dames

Date: 8/17/04

STATE OF FLORIDA)
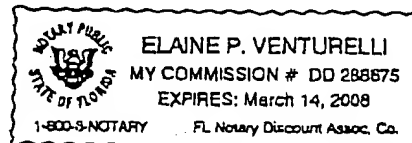) SS:
COUNTY OF PALM BEACH)

The foregoing instrument was sworn to and subscribed before me this _17_ day of _August_, 2004, by DWAYNE DAMES, who is personally known to me or who has produced _____ (type of identification) as identification.

_____
NOTARY PUBLIC,
STATE OF FLORIDA

Elaine P. Venturelli
(Print, Type or Stamp Commissioned Name of Notary Public)

ELAINE P. VENTURELLI
MY COMMISSION # DD 288875
EXPIRES: March 14, 2008
1-800-3-NOTARY   FL Notary Discount Assoc. Co.

Appln. No.   :   09/800,330   Confirmation No. 2967
Applicant   :   Dames, *et al.*
Filed   :   March 6, 2001
TC/A.U.   :   2178
Examiner   :   Nguyen, Dang T.

Docket No.   :   6169-143
IBM Docket No.   :   BOC9-1999-0090

DECLARATION UNDER 37 C.F.R. § 1.131

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22203-1450

Sir:

I, David E. Reich, a citizen of the United States of America, residing at 6684 Inland

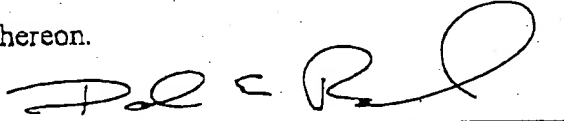Court, Jupiter, FL 33458, hereby declare and state as follows:

1.   I was employed by International Business Machines Corporation (IBM) of Boca

Raton, Florida at the time the above-identified application was conceived and I continue to be

employed by IBM. I make this declaration in support the above-identified application.

2.   IBM has invested substantial time and effort into the research, development, and

marketing of their products, and in an effort to protect its rights in all new inventions, IBM

requests that all employees prepare and submit IBM Confidential Invention Disclosure Forms

upon conception by the inventor(s).

3.   As a named co-inventor for this invention, I and my co-inventors submitted the

attached IBM Confidential Invention Disclosure BOC8-1999-0119.

4.   I make this Declaration to establish that I and my co-inventors Dwayne Dames

and Fang Wang, conceived of the present invention at least as early as November 11, 1999, and

exercised due diligence from prior to November 11, 1999 to March 6, 2001, the filing date for

the above-identified patent application.

5.   I further declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the above-identified patent application or any patent issuing thereon.
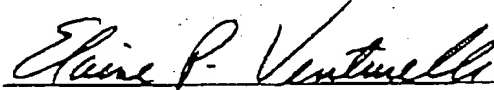
_____
David E. Reich

Date: __S - 16-2004_____

STATE OF FLORIDA   )
) ss:
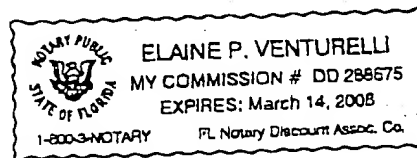COUNTY OF PALM BEACH   )

The foregoing instrument was sworn to and subscribed before me this _16_ day of _August____, 2004, by DAVID E. REICH, who is personally known to me or who has produced _____ (type of identification) as identification.

_____
NOTARY PUBLIC,
STATE OF FLORIDA

_____
(Print, Type or Stamp Commissioned Name of Notary Public)

ELAINE P. VENTURELLI
MY COMMISSION # DD 288675
EXPIRES: March 14, 2008
1-800-3-NOTARY   FL Notary Discount Assoc. Co.

Disclosure BOC8-1999-0119

Created By: David Reich   Created On: 11/11/99 04:48:27 PM
Last Modified By: David Reich   Last Modified On: 11/29/99 02:43:44 PM

Required fields are marked with the asterisk (*) and must be filled in to complete the form .

Summary

Status	Under Evaluation
Processing Location	BOC
Functional Area	Speech Development & Customization (O. Osbome)
Attorney/Patent Professional	Richard Tomlin/Boca Raton/IBM
IDT Team	Harvey Ruback/West Palm Beach/IBM
Submitted Date	11/22/99 03:48:03 PM
Owning Division	SWG Add Change
PVT Score	To calculate a PVT score, use the 'Calculate PVT' button.
Lab	
Technology Code	
Incentive Program	

Inventors with Lotus Notes IDs

Inventors: David Reich/West Palm Beach/IBM, Dwayne Dames/West Palm Beach/IBM, Kevin Tan/West Palm Beach/IBM, Fang Wang/West Palm Beach/IBM, Lenora Wright/West Palm Beach/IBM

Inventor Name > denotes primary contact	Inventor Serial	Div/Dept	Manager Serial	Manager Name
> Reich, David E.				
Dames, Dwayne				
Tan, Ji Whee (Kevin)				
Wang, Fang				
Wright, Lenora E.				

Inventors without Lotus Notes IDs

IDT Selection

IDT Team: Harvey Ruback/West Palm Beach/IBM	Attorney/Patent Professional: Richard Tomlin/Boca Raton/IBM

Response Due to IP&L : 12/29/99

Main Idea

*Title of disclosure (in English)
Method and Apparatus to parse generic HTML data for voice presentation and user interaction

*Idea of disclosure
1. Describe your invention, stating the problem solved (if appropriate), and indicating the advantages of using the invention.
The invention described by this disclosure provides a reusable and adaptable algorithm for extracting HTML data from arbitrary web pages for presentation in a different medium. Today, many projects are

looking at transcoding as a method of converting one markup to another. The problem with this is that transcoding is a simple tag substitution. This does not take the actual user interface into consideration. HTML is visually oriented data, and simply transcoding the tags into say VoiceXML for speech presentation does not effectively present the data in a speech medium. Even with some "smarts" in a transcoder to do some intelligent presentation tag generation for the target markup, there is no good way to change an HTML table, for example, into a speech interface. The user interaction would need to be tailored for the interface. A better presentation is to have the same data with a voice interface designed around it, so the interface is tailored for the medium, and for example, one would not try to transcode a table of data and then ask the developer, "how do I read a table?"

The problem in doing this is that web pages are all different, and data is not in any standard place in the HTML file. Transcoding keeps the data within tags, and requires the transcoder to transcode the context of the data to different user interfaces which is an inferior solution or ultimately forces the developer to migrate one user interface to another. This solution addresses the issue of parsing the pages from many varied sources to grab just the data, and then put well designed voice (or other) markup around it.

The advantages are:

1) Presentation markup geared directly toward the presentation medium rather than translated/transcoded tags.
2) As new HTML page layouts are learned, they are just added to the page templates described below.
3) The field extraction code is generic to pull specific data from their places based on table lookup rather than the forcing program logic to know where the fields are.

2. How does the invention solve the problem or achieve an advantage,(a description of "the invention", including figures inline as appropriate)?
The solution uses a table lookup mechanism that has contained within it, the structure of the web pages being referenced. For example, the Yahoo movie pages have the theater name at byte offset 57 for 35 bytes, and repeating fields for the movies playing at by 235 for 600 bytes (for example). So rather than parsing the page to "flip" one set of tags to another and keep the data in place an in a cobbled together user interface, there would be a table lookup for the page layout (like a Lotus NOTES template) and the data can be extracted and placed into Voice (or other) oriented markup specific to the application.

The advantage is that it is adaptable to any web page anywhere and if the format of pages change, it is a trivial matter to update the templates.

These templates can potentially be sold or licensed, and another large advantage (to ubiquitous access to web-oriented data) is the ability to use public sources of data without having to recreate or redesign backend data source interfaces.

3. If the same advantage or problem has been identified by others (inside/outside IBM), how have those others solved it and does your solution differ and why is it better?
The advantages are described above. Transcoding creates poor presentation because of the difference of the interface orientation of the different mediums (i.e. text/visual vs speech/audio)

4. If the invention is implemented in a product or prototype, include technical details, purpose, disclosure details to others and the date of that implementation.
The programming is underway for a prototype for this for internal demonstration only, and even for external (to IBM) demonstration, the details of the solution do not have to be divulged.

*Critical Questions (Questions 1 - 7 must be answered)

*Question 1

On what date was the invention workable? 11/22/99 Please format the date as MM/DD/YYYY
(Workable means i.e. when you know that your design will solve the problem)

*Question 2

| Is there any planned or actual publication or disclosure of your invention to anyone outside IBM? | ○ Yes ● No |

If yes, Enter the name of each publication or patent and the date published below.
Publication/Patent:
  Date Published or Issued:

| Are you aware of any publications, products or patents that relate to this invention? | ○ Yes ● No |

If yes, Enter the name of each publication or patent and the date published below.
Publication/Patent:
  Date Published or Issued:

*Question 3

| Has the subject matter of the invention or a product incorporating the invention been sold, used internally in manufacturing, announced for sale, or included in a proposal? | ● Yes ○ No |

| Is a sale, use in manufacturing, product announcement, or proposal planned? | ○ Yes ● No |

If Yes, identify the product if known and indicate the date or planned date of sale, announcements, or proposal and to whom the sale, announcement or proposal has been or will be made.
  Product: VoiceXML (e-Voice) pilot program
Version/Release: N/A
  Code Name: N/A
      Date: N/A
  To Whom: N/a
If more than one, use cut and paste and append as necessary in the field provided.

*Question 4

| Was the subject matter of your invention or a product incorporating your invention used in public, e.g., outside IBM or in the presence of non-IBMers? | ○ Yes ● No |

If yes, give a date.   Please format the date as MM/DD/YYYY

*Question 5

| Have you ever discussed your invention with others not employed at IBM? | ○ Yes ● No |

If yes, identify individuals and date discussed. Fill in the text area with the following information, the names of the individuals, the employer, date discussed, under CDA, and CDA #.

*Question 6

| Was the invention, in any way, started or developed under a government contract or project? | ○ Yes ● No ○ Not sure |

If Yes, enter the contract number

*Question 7

| Was the invention made in the course of any alliance, joint development or other contract activities? | ○ Yes ● No ○ Not Sure |

If Yes, enter the following :Name of Alliance, Contractor or Joint Developer
                        Contract ID number
                        Relationship contact name
                        Relationship contact E-mail

Relationship contact phone

Question 8

Have you submitted, or are you aware of, any related disclosure submission?   ○ Yes   ● No

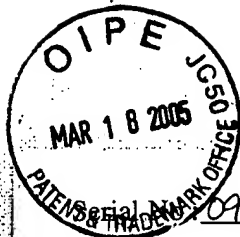If Yes, please provide the title and docket or disclosure number below:

Question 9

What type of companies do you expect to compete with inventions of this type?   *Check all that apply.*

☐ Manufacturers of enterprise servers
☐ Manufacturers of entry servers
☐ Manufacturers of workstations
☐ Manufacturers of PC's
☐ Non-computer manufacturers
☒ Developers of operating systems
☒ Developers of networking software
☒ Developers of application software
☒ Integrated solution providers
☒ Service providers
☐ Other (Please specify below)

Patent Value Tool (Optional - this may be used by the inventor and attorney to assist with the eval
Post Disclosure Text & Drawings

(Form Revised 12/17/97)

Serial No. 09/800,330   Docket No.: 6169-143

Client: _____ IBM _____

Commissioner for Patents

Sir:

Please acknowledge receipt of the paper(s) noted hereon by stamping the date received and returning this card to the undersigned.

Respectfully,

BKB/aa

AKERMAN SENTERFITT

- ❑ Application
- ❑ Submission of Formal Drawings
- ❑ Sheets of Drawing _____
- ☑ Declaration under § 1.131 w/ Attachment under Seal (2)
- ❑ Fee ($ _____)
- ☑ Amendment/Response
- ❑ Request for Extension of Time
- ❑ Assignment & Recordation Coversheet
- ❑ Copy of Notice of Missing Parts
- ☑ Transmittal Letter
- ❑ PTOL-85 Fee Transmittal
- ❑ IDS, PTO/SB008A&B, Refs.
- ☑ Confidential Disclosure Submitted
- ❑ Under Seal

Express Mail No. EV 291959532 US

||||||||||| EV 291959532 US

EXPRESS MAIL
UNITED STATES POSTAL SERVICE®

Post Office To Addressee

ORIGIN (POSTAL USE ONLY)

PO ZIP Code	Day of Delivery	Flat Rate Envelope
33406	☑ Next ☐ Second	☐ 1365
Date In 6-14-04 Mo. Day Year	☑ 12 Noon ☐ 3 PM	Postage $
Time In 022 ☐ AM ☑ PM	Military ☐ 2nd Day ☐ 3rd Day	Return Receipt Fee
Weight lbs. ozs.	Int'l Alpha Country Code	COD Fee	Insurance Fee
No Delivery ☐ Weekend ☐ Holiday	Acceptance Clerk Initials	Total Postage & Fees $ 1365

DELIVERY (POSTAL USE ONLY)

Delivery Attempt Mo. Day	Time ☐ AM ☐ PM	Employee Signature
Delivery Attempt Mo. Day	Time ☐ AM ☐ PM	Employee Signature
Delivery Date Mo. Day	Time ☐ AM ☐ PM	Employee Signature

☐ **WAIVER OF SIGNATURE** (Domestic Only) Additional merchandise insurance is void if waiver of signature is requested. I wish delivery to be made without obtaining signature of addressee or addressee's agent (if delivery employee judges that article can be left in secure location) and I authorize that delivery employee's signature constitutes valid proof of delivery.

NO DELIVERY ☐ Weekend ☐ Holiday

Customer Signature

CUSTOMER USE ONLY
METHOD OF PAYMENT:

Express Mail Corporate Acct. No.

Federal Agency Acct. No. or
Postal Service Acct. No.

FROM: (PLEASE PRINT)   PHONE ( )   561 653 3000

AKERMAN SENTERFITT, EIDSON P.A.
222 LAKEVIEW AVE STE 400
WEST PALM BEACH   FL 33401-6147

BKB/aa
6169-143

-108680-

TO: (PLEASE PRINT)   PHONE ( )

MAILSTOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PRESS HARD.
You are making 3 copies.   **FOR PICKUP OR TRACKING CALL 1-800-222-1811 www.usps.com**   EMS